

KOBİT | 7) Kuantum Optiđi ve Biliřimi Toplantısı 02.02.2023

09:00-09:20	<b>KAYIT/ REGISTRATION</b>
09:20-09:45	<b>AÇILIř/ START</b>
Başkan/Chair	<b>NIHAN KOřKU PERKGÖZ</b>
09:45-10:35	<b>MAURO PATERNOSTRO</b> Quantum neuromorphic approach for efficient sensing of gravity-induced entanglement
10:35-11:05	<b>DENİZ AYBAř</b> Quantum sensors for precision magnetometry
11:05-11:35	<b>BULAT RAMAEV</b> TBA
11:35-14:00	<b>ÖĐLE YEMEĐİ / LUNCH</b>
Başkan/Chair	<b>ASLI TUNCER</b>
14:00-14:30	<b>GIACOMO GUARNIERI</b> Thermodynamics of precision in quantum thermal machines: theory and experiment
14:30-15:00	<b>OĐUZ GÜLSEREN</b> Why optical properties of 2D materials are interesting?
15:00-15:20	<b>ALHUN AYDIN</b> Coherent state picture of charge carrier-lattice vibration dynamics
15:20-16:20	<b>ÇAY ARASI / COFFEE BREAK</b>
Başkan/Chair	<b>SEÇİL řENTORUN</b>
16:20-16:40	<b>ONUR PUSULUK</b> Witnessing superpositions of causal orders by weak measurements at a given time
16:40-17:00	<b>LEA GASSAB</b> Can the human eye detect multipartite entangled state?
Başkan/Chair	<b>POSTER SESSION</b> <b>DENİZ AYBAř</b>
17:00-18:00	A.Oran, K. Ulah, K. Çeven, B. Sütüođlu, M. Yeler, C. Yařar
19:00	<b>KONFERANS YEMEĐİ /CONFERENCE DINNER</b>

## KOBİT |7) Kuantum Optiđi ve Bilişimi Toplantısı 03.02.2023

Başkan/Chair	<b>NESLIHAN ŞAHİN</b>
09:00-09:30	<b>AVIJIT MISRA</b> Work extraction from thermal noise by measurements and nonlinear interactions in quantum optical setups
09:30-10:00	<b>SHANE KELLY</b> Scrambling Transition in a Radiative Random Unitary Circuit Emitter
10:00-10:20	<b>YUSUF KARLI</b> Experimental Demonstration of Red-detuned Excitation of a Quantum
10:20-11:00	<b>ÇAY ARASI / COFFEE BREAK</b>
Başkan/Chair	<b>ÖZGE BAĞLAYAN</b>
11:00-11:30	<b>ALI PEDRAM</b> Using quantum states of light to probe the retinal network
11:30-11:50	<b>MOHSEN IZADYARI</b> Enantiomer detection via Quantum Otto cycle
11:50-12:10	<b>ASGHAR ULLAH</b> Low-temperature quantum thermometry boosted by coherence generation
12:00-14:00	<b>ÖĞLE YEMEĐİ/ LUNCH</b>
Başkan/Chair	<b>ÖZGÜR MÜSTECAPLIOĐLU</b> <b>ENDÜSTRİ OTURUMU/ INDUSTRIAL SESSION</b>
14:00-14:20	<b>ÖZGÜR MÜSTECAPLIOĐLU</b> Security and Software Perspectives in Quantum Digital Transformation
14:20-14:50	<b>HALİDUN FİLDİŞ</b> TBA
14:50-15:10	<b>ŞEBNEM GÜNEŞ SÖYLER</b> TBA
15:10-16:15	<b>ÇAY ARASI / COFFEE BREAK</b>
16:15-16:45	<b>ALI BOZBEY</b> Superconducting Electronics for Qubit Control and Read-out
16:45-17:15	<b>BURHAN GÜLBAHAR</b> TBA